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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/702,676	10/702,676 11/06/2003		Yi Lu	09800080-0078 1656		
43320	7590	04/21/2006		EXAM	EXAMINER	
EVAN LA		-	VIVLEMORE,	VIVLEMORE, TRACY ANN		
566 WEST ADAMS, SUITE 350 CHICAGO, IL 60661			ART UNIT	PAPER NUMBER		
				1635	1635	
				DATE MAILED: 04/21/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)			
		10/702,676	LU ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Tracy Vivlemore	1635			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in an analysis of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. lety filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status						
2a)⊠	Responsive to communication(s) filed on <u>06 Fe</u> This action is FINAL. 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Dispositi	on of Claims					
5) □ 6) □ 7) ⊠ 8) □ Applicati	Claim(s) 95-169 is/are pending in the application 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) 95-169 is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examine of the drawing(s) filed on is/are: a) acceptable.	vn from consideration. r election requirement. r. epted or b)□ objected to by the E				
11) 🗆 '	Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Ex	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
		animion. Hoto the attached Office	7.00.011 01 1011111 1 O-132.			
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
2) 🔲 Notice 3) 🔯 Inforn	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date <u>2/06 and 3/06</u> .	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

## **DETAILED ACTION**

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Any rejection not reiterated in this Action is withdrawn.

The indicated allowability of claims 95-139 is withdrawn in view of following rejection.

## Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In *re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

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Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 95-169 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-11 and 14-16 of U.S. Patent No. 6,890,719. Although the conflicting claims are not identical, they are not patentably distinct from each other because the instant claims are directed to specific embodiments of the more generic patented claims, all of which are supported by the disclosure of the patent specification. Claim 1 of the patent is directed to a method of determining the concentration of a metal ion by contacting a sample comprising the ion with a nucleic acid enzyme and a substrate and measuring the amount of the product produced by cleavage of the substrate. Instant claims 95 and 140 are directed to a similar method wherein the metal ion is Pb2<sup>+</sup> and are an obvious variant of the patented generic claims because the patent specification provides support for this specific embodiment. Claims 96-139 and 141-169 depend from either claim 95 or 140 and recite limitations that are either specifically claimed in the '719 patent or are supported by the patent's disclosure.

## Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tracy Vivlemore whose telephone number is 571-272-2914. The examiner can normally be reached on Mon-Fri 8:45-5:15.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Wang can be reached on 571-272-0811. The central FAX Number is 571-273-8300.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your

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For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

> Tracy Vivlemore Examiner Art Unit 1635

April 14, 2006